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(74) Agents: **UITTENBOGAARD, Frank** et al.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(71) Applicant (*for all designated States except US*): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **WIMBERGER-FRIEDL, Reinhold** [AT/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **DE BRUIN, Johan, G.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). **VERSTEGEN, Emile, J., K.** [NL/NL]; c/o Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(54) Title: A PROCESS FOR THE FABRICATION OF OPTICAL MICROSTRUCTURES



(57) Abstract: The invention relates to a process for the fabrication of a polymeric optical microstructure, being supported or not by a substrate, starting from a thermoplastic polymer, wherein a thermoplastic polymer is blended with an UV curable resin and a thermally stable photo-initiator, to obtain a blend having a lower viscosity than the viscosity of said polymer, said blend being molded and the molded blend being cured by means of UV radiation to obtain a polymeric optical microstructure. Such a process prevents the common problems, which arise with molding of conventional thermoplastic polymers and conventional UV curing when only one of the components of the blend is used.

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